

Weiter

These systems get their water from one of two places — large wells or surface water, like Lake Okeechobee.

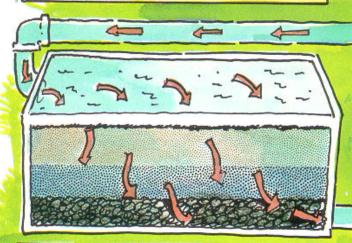
In Florida, if you run a public water supply system, you have to treat the water you sell, to make sure that it's safe to drink.

Systems that use groundwater for their supply usually put small amounts of chlorine in the water. The chlorine is a disinfectant, which means it kills any harmful microorganisms that might get in the water. Microorganisms are tiny life forms, like bacteria. Killing the microorganisms is usually all it takes to make groundwater safe to drink.

Surface water is a whole 'nother story. It needs a lot more treatment. That's because surface water collects sticks, dirt and other gunk off of the ground.

To clean up surface water, public water systems use water treatment plants. These are places where water is screened, filtered and treated with chemicals to remove any impurities. Getting all that stuff out is a much bigger process than just adding chlorine. Here's how they do it.

Usually at a treatment plant water will go through a fivestep process. 1. Aeration — In this step the water is sprayed into the air to allow trapped gases to escape and to add oxygen from the air. Getting rid of trapped gases and adding oxygen make the water taste better.



4. Filtration — While water from the top of the tanks is cleaner, it still is not clean enough. So, they filter the water through layers of sand, gravel and rocks. The filters trap tiny particles that still are in the water.

